03-08-2024 LETTING ITEM 110

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN CITY OF HARVARD

POSTED AND DESIGN SPEED LIMIT = 30-55 MPH

TRAFFIC DATA:

2021 ADT = 10,300

**US 14** 

0

0

0

0

### STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

# \* 33 + 1 = 34 TOTAL SHEETS



LOCATION OF SECTION INDICATED THUS: -

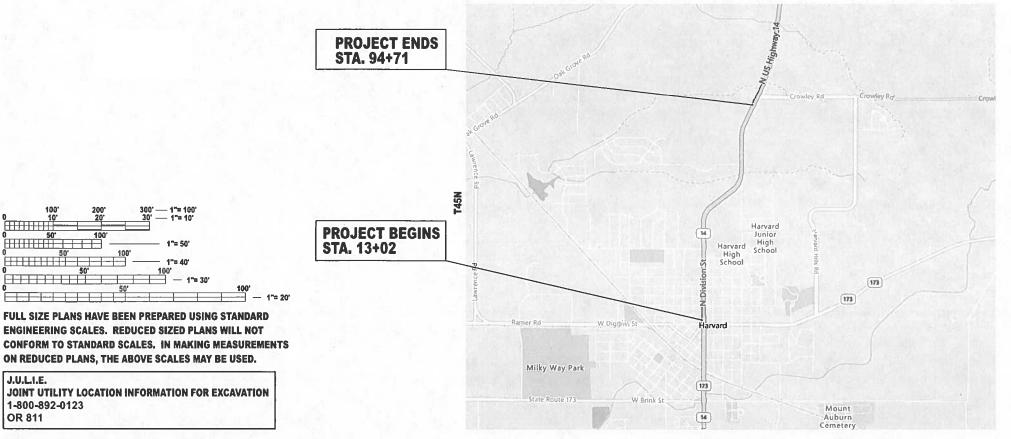
SUBMITTED DECEMBER 7 20 23

February 2, 2024

## **PROPOSED HIGHWAY PLANS**

F.A.P. ROUTE 66 (US 14 / DIVISION ST.) CROWLEY RD TO IL 173/DIGGINS RD **SECTION FAP 0066 22 RS PROJECT NHPP-4UEA(806) SMART OVERLAY AND ADA IMPROVMENTS MCHENRY COUNTY** 

C-91-261-22



GROSS AND NET LENGTH = 8169 FT. = 1.55 MILE

CONTRACT NO. 62T62

**PROJECT MANAGER: FAWAD AQUEEL** 

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240

1-800-892-0123

OR 811

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

DIRECTOR OF HIGHWASS PROJECT IMPLEMENTATION

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

Jose Pris ( OB)

REVISED SHEET 2/22/2024

**REV-SEP** 

#### **INDEX OF SHEETS**

#### STATE STANDARDS

DESCRIPTION

STANDARD NO.

SHEET		
NO.	DESCRIPTION	

1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-6	EXISTING AND PROPOSED TYPICAL SECTIONS
7-10	ROADWAY AND PAVEMENT MARKING PLAN
11-16	CURB RAMP PLAN
(16A)	DETECTOR LOOP REPLACEMENT AND SCHEDULE OF QUANTITIES
17	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
18	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
19	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
20	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
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22	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
23	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
24	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
25	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
26	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
27	ARTERIAL ROAD INFORMATION SIGN (TC-22)
28-33	CURB RAMP PD DETAILS (PD-01 - PD-06)

000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS TYPE 1
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701502-05	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTOL DEVICES
/\ 701801-0E	YSDEWALK, CORNER OR CROSSWALK CLOSURB



KALPANA KANNAN-HOSADURGA THE ISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA-IOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORL

#### **GENERAL NOTES**

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND CITY OF HARVARD

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@JILLINGIS.SCV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.

ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL, P.C.C. SIDEWALK 5", DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE

THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

/| REVISED SHEET 2/22/2024

COUNTY

MCHENRY

33 2

USER NAME = mohammad.hamwi	DESIGNED -	REVISED - 1 2/21/2024 MH
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED -	REVISED -
PLOT DATE = 2/17/2024	DATE -	REVISED -

#### **SUMMARY OF QUANTITIES** CONSTRUCTION TYPE CODE 80% FED 20% STATE 100% STATE CODE NO. ITEM Unit Total Quantity 0005 20200100 EARTH EXCAVATION CU YD 36 36 TOPSOIL FURNISH AND PLACE, 4" 21101615 SQ YD 247 247 25200110 SODDING, SALT TOLERANT SQ YD 247 247 35501308 HOT-MIX ASPHALT BASE COURSE, 6" SQ YD 14 14 35501316 HOT-MIX ASPHALT BASE COURSE, 8" SQ YD 40600290 BITUMINOUS MATERIALS (TACK COAT) POUND 17920 17920 40600370 LONGITUDINAL JOINT SEALANT FOOT 8169 8169 40600400 MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS TON 61 61 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT 40600982 SQ YD 260 260 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 40604062 TON 3345 3345 40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 TON 2 2 42001300 PROTECTIVE COAT SQ YD 1597 1597 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH 42300400 SQ YD 5 5 42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQ FT 3246 3246 42400800 DETECTABLE WARNINGS SQ FT 516 516 44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" SQ YD 39821 44000200 DRIVEWAY PAVEMENT REMOVAL SQ YD 23 23 44000600 SIDEWALK REMOVAL SQ FT CLASS D PATCHES, TYPE I, 12 INCH 44201785 SQ YD 50 50 44201789 CLASS D PATCHES, TYPE II, 12 INCH SQ YD 380 380 CLASS D PATCHES, TYPE III, 12 INCH SQ YD 44201794 280 280 CLASS D PATCHES, TYPE IV, 12 INCH 44201796 SQ YD 360 360 **A** 44201835 CLASS D PATCHES, TYPE I, 16 INCH SQ YD 50 50\* SPECIALTY ITEMS

CONSTRUCTION TYPE CODE

CODE	E NO.	ITEM	Unit	Total Quantity	80% FED 20% STATE 0005	100% STATE 0005
4420	1839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	470	470	
4420	11843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	345	345	
4420	1845	CLASS D PATCHES, TYPE IV, 16 INCH	SQ YD	440	440	
48102	2100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	218	218	
6025	2800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1	
6025	7900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1	
6030	0105	FRAMES AND GRATES TO BE ADJUSTED	EACH	40	40	
60300	0305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	
6040	14940	FRAMES AND GRATES, TYPE 23	EACH	10	10	
6040	4950	FRAMES AND GRATES, TYPE 24	EACH	30	30	
60406	6100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5	
6690	0200	NON-SPECIAL WASTE DISPOSAL	CU YD	36	36	
6690	0530	SOIL DISPOSAL ANALYSIS	EACH	5	5	
6690	1001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
6690	1003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
6690	1006	REGULATED SUBSTANCES MONITORING	CAL DA	6	6	
67100	0100	MOBILIZATION	L SUM	1	1	
7010	0460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
7010	0600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70102	2620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102	2622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	

 USER NAMehraf-Abidrabbu
 DESIGNED REVISED 1/20/2024 MH

 DRAWN REVISED 2/21/2024 MH

 PLOT SCALE = 0.16666633\*/In.
 CHECKED REVISED

REVISED -

DATE

PLOT DATE 12/\$3/2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 (CROWLEY RD TO IL173/DIGGINS ST)
SUMMARY OF QUANTITIES

50' SHEET OF 2 SHEETS STA. TO STA.

		SUMMARY OF QUANTITIES	OF QUANTITIES		CONSTRUCTION TYPE CODE		
-	CODE NO.	ITEM	Unit	Total Quantity	80% FED 20% STATE 0005	100% STATE 0005	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	15172	15172		
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	7586	7586		
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	713	713		
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	37837	37837		
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1379	1379		
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	221	221		
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1329	1329		
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	287	287		
<u> </u>	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE I V TAPE	FOOT	7586	7586		
Å	72400735	REMOVE AND RELOCATED SIGN PANEL - TYPE I	SQ FT	10	10	3	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	713	713		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	37837	37837		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1379	1379		
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	221	221		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1329	1329		
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	287	287		
	78100100	DAISED DESLECTIVE DAVEMENT MARKED	FACU	266	366		
*	76100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	366	300		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	366	366		
Ì							
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1 * SDECI	N TV ITEMS	
Ĺ					* SPECIA	ALTY ITEMS	

DESIGNED -

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DATE

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CONSTRUCTION TYPE CODE

CODE NO.	ITEM	Unit	Total Quantity	80% FED 20% STATE 0005	100% STA 0005
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	87	87	
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	250	250	
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1080	1080	
	I ·				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	600	0	600
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	25	25	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12	
X8860105 Z0018500	DETECTOR LOOP REPLACEMENT  DRAINAGE STRUCTURES TO BE CLEANED	FOOT	33	33	3
20010000	SIGNIFICE CITICOTORES TO BE SEENIED	LACIT	40		-,5
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 (CROWLEY RD TO IL173/DIGGINS ST) SUMMARY OF QUANTITIES SCA1E=50' SHEET OF 2 SHEETS STA.

F.A.P SECTION

66 FAP 0066 22 RS CONTRACT NO. 62T62

USER NAMETraf:Abidrabbu

PLOT DATE 12/\$3/2023

PLOT SCALE = 0.16666633 ' / in.

